

Converting Colors

XYZ(11.0146, 3.3039, 15.2039)

Have a look what the booklet for
XYZ(11.0146, 3.3039, 15.2039)
contains.

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Color

**XYZ(12.3850, 6.0532,
15.5546)**

Conversions

Conversions Part 1

Format	Color
Hex	84006F
RGB	132, 0, 111
RGB Percent	52%, 0%, 44%
CMY	0.4823, 1.0000, 0.5647
CMYK	0.00, 1.00, 0.16, 0.48
HSL	310°, 100%, 26%
HSV	310°, 100%, 52%
XYZ	12.3850, 6.0532, 15.5546
YIQ	52.1220, 43.0410, 62.5050

Conversions

Conversions Part 2

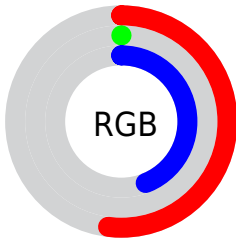
Format	Color
R_{YB}	132, 0, 111
Decimal	8650863
CIE _{Lab}	29.55, 57.17, -26.02
CIE _{LCh}	30, 62.811, 335.524
Yxy	6.0532, 0.3643, 0.1781
Android (android.graphics.Color)	4286840943 (0xFF84006F)
YUV	52.1220, 29.0269, 70.0530
Hunter-Lab	24.6033, 46.7992, -20.2619

Details

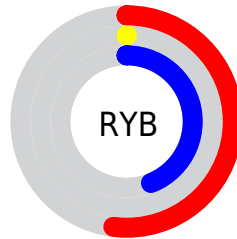
The XYZ color **12.3850, 6.0532, 15.5546** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.3869, 16.5570, 3.4637**, and the grayscale version is **3.2422, 3.4110, 3.7146**.

A 20% lighter version of the original color is **29.9145, 18.0979, 36.5669**, and **4.0391, 1.9786, 4.8716** is the 20% darker color. If you saturate the color by 10%, you get **12.3850, 6.0533, 15.5542**, and if you desaturate by 10%, it is **12.6488, 6.3934, 16.2199**.

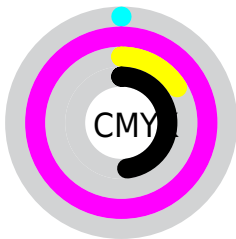
Distribution



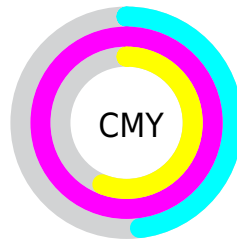
- Red (52%)
- Green (0%)
- Blue (44%)



- Red (52%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (48%)




- Cyan (48%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3850, 6.0532, 15.5546 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.3850, 6.0532, 15.5546 by changing the saturation by 10% instead.


 12.3850, 6.0532,
15.5546


 12.3850, 6.0532,
15.5546


200.6560,
159.5471, 238.4543

 7.0805, 2.8775,
9.0586


 29.8052, 18.0414,
36.5792


 3.5593, 1.0681,
4.6821

 42.6516, 27.6227,
51.9449


 1.4560, 0.0000,
2.0065

 58.7427, 40.1079,
71.1042

 0.2956, 0.0000,
0.5593


 78.4439, 55.8814,
94.4757

 0.0000, 0.0000,
0.0000

 102.1204, 75.3277,
122.4779

 130.1377, 98.8312,


155.5294

 162.8611,
126.7762, 194.0486

 12.3850, 6.0532,
15.5546


 12.3850, 6.0532,
15.5546


 12.3850, 6.0533,
15.5542

 12.6488, 6.3934,
16.2199

 13.0005, 6.9051,
16.9279

 13.4902, 7.6884,
17.6956

 14.1342, 8.7761,
18.5283

 14.9467, 10.1960,
19.4310

■ 15.9399, 11.9731,
20.4078

■ 17.1253, 14.1298,
21.4626

■ 18.5130, 16.6868,
22.5989

■ 20.1128, 19.6632,
23.8200

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



9.5956, 6.0532, 29.6600



12.3850, 6.0532, 15.5546



13.1863, 6.0532, 5.1826

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.3850, 6.0532, 15.5546



5.2380, 6.0532, 0.0000



2.3277, 6.0532, 20.7129

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.3850, 6.0532, 15.5546



8.3869, 16.5570, 3.4637

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



1.8214, 6.0532, 8.2336



12.3850, 6.0532, 15.5546



3.1042, 6.0532, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.3850, 6.0532, 15.5546



8.3580, 6.0532, 0.0000



2.0488, 6.0532, 1.9700



3.7553, 6.0532, 34.0065

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.3850, 6.0532, 15.5546



12.3139, 6.0532, 1.8551



2.0488, 6.0532, 1.9700



2.0704, 6.0532, 16.0242

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.3852, 6.0535, 15.5547



30.0134, 24.6102, 37.6756



4.4496, 1.8129, 21.9455



6.8049, 5.3959, 8.6125



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.3852, 6.0535, 15.5547



21.7705, 10.6445, 27.1595



10.0132, 5.1047, 3.0637



4.8269, 4.7504, 5.7009



11.9933, 5.8616, 15.0687



0.0437, 0.0212, 0.0634

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.3852, 6.0535, 15.5547



21.7705, 10.6445, 27.1595



9.9233, 17.1715, 11.5541



4.8269, 4.7504, 5.7009



11.9933, 5.8616, 15.0687



0.0437, 0.0212, 0.0634

Previews

White Background



This preview shows how the XYZ color 12.3850, 6.0532, 15.5546 looks on a white background.

Color Contrast Check

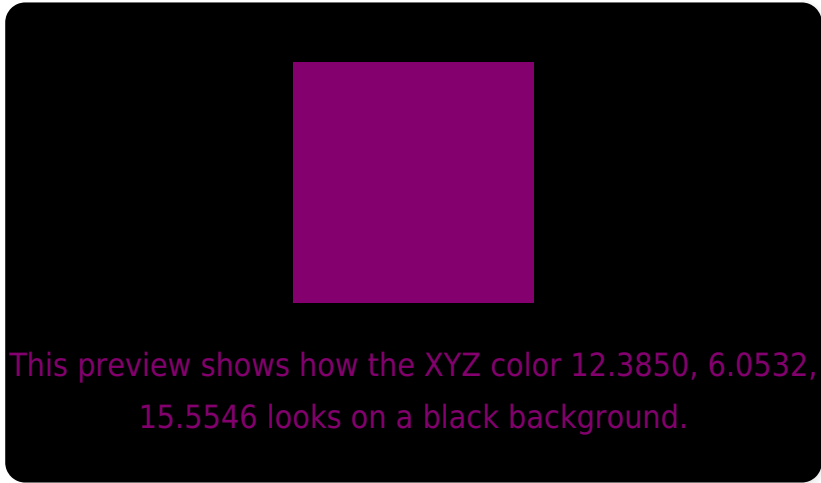
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

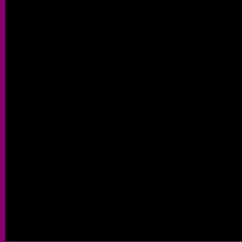
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3850, 6.0532, 15.5546

Background



This preview shows how black text looks on a background with the XYZ color 12.3850, 6.0532, 15.5546.



This preview shows how white text looks on a background with the XYZ color 12.3850, 6.0532,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.3850, 6.0532, 15.5546

Protanopia

7.6952, 6.5823, 29.7191

Deuteranopia

6.7405, 6.6263, 14.0204



Tritanopia

9.9980, 6.4342, 3.2997

Trichromacy



Original Color

12.3850, 6.0532, 15.5546

Protanomaly

6.6012, 4.2827, 23.7713

Deuteranomaly

7.5613, 5.0418, 14.4846

Tritanomaly

10.4228, 5.8619, 6.3765

Monochromacy



Original Color

12.3850, 6.0532, 15.5546

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1398, 3.3181, 6.6729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3850, 6.0532, 15.5546 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(132, 0, 111)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 111)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(132, 0, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.3850, 6.0532, 15.5546 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 0, 111) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(132, 0, 111) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(132, 0, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 111);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3850, 6.0532, 15.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 111) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(132, 0,  
111) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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